

CROSS-REFERENCES TO RELATED APPLICATIONS

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Not applicable.

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CNG family channel proteins are multimers and can be formed by at least two functionally distinct classes of subunits. The two classes of subunits, alpha and beta, share a common motif of 6 transmembrane domains, a pore motif and a cytoplasmic cyclic nucleotide binding domain (Finn *et al.*, *Annu. Rev. Physiol.* 58:395-426:1996). CNG alpha subunits can form functional channels as homomultimers, i.e., all subunits